

# 70B

## Oiles Drymet ST Bushings (I.D. $\phi 5 \sim \phi 30$ )

Selection Guide

Product Information

Plastic Bearing

Multi-layer Bearing

Metallic Bearing

Air Bearings

Slide Shifter

Technical Information

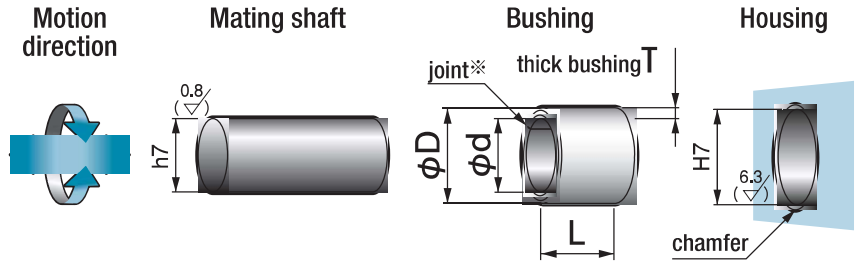
Corporate Profile



Specify Part No. by required I.D. and length.  
(e.g.) I.D. is 15mm and length is 10mm.

### 70B - 1510

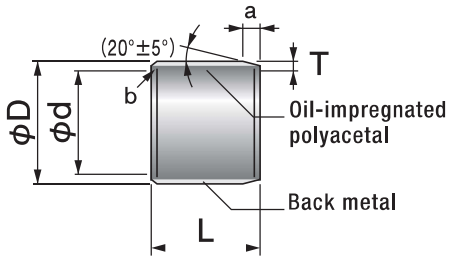
#### Parts No.



※The joint causes no influences upon rotation of the shaft. Be careful when press-fitting so that the joint is not at the position to which the maximum load is applied.

Shaft		Housing		I.D.		O.D.		Wall thickness		Length L Tolerance $-\frac{0}{-0.3}$					
Size	h7 Tolerance	Size	H7 Tolerance	$\phi d$	$\phi D$	Tolerance	T	Tolerance	4	5	6	7	8	10	
5	$\frac{0}{-0.012}$	7	$\frac{+0.015}{0}$	5	7	$\frac{+0.055}{+0.025}$	1.0	$\frac{-0.030}{-0.075}$	<b>0504</b>	<b>0505</b>	<b>0506</b>		<b>0508</b>		
6	$\frac{0}{-0.012}$	8	$\frac{+0.015}{0}$	6	8	$\frac{+0.055}{+0.025}$	1.0	$\frac{-0.030}{-0.075}$		<b>0605</b>	<b>0606</b>	<b>0607</b>	<b>0608</b>	<b>0610</b>	
7	$\frac{0}{-0.015}$	9	$\frac{+0.015}{0}$	7	9	$\frac{+0.055}{+0.025}$	1.0	$\frac{-0.030}{-0.075}$		<b>0705</b>		<b>0707</b>		<b>0710</b>	
8	$\frac{0}{-0.015}$	10	$\frac{+0.015}{0}$	8	10	$\frac{+0.055}{+0.025}$	1.0	$\frac{-0.030}{-0.075}$			<b>0806</b>		<b>0808</b>	<b>0810</b>	
9	$\frac{0}{-0.015}$	11	$\frac{+0.018}{0}$	9	11	$\frac{+0.060}{+0.030}$	1.0	$\frac{-0.030}{-0.075}$						<b>0910</b>	
10	$\frac{0}{-0.015}$	12	$\frac{+0.018}{0}$	10	12	$\frac{+0.060}{+0.030}$	1.0	$\frac{-0.030}{-0.075}$			<b>1006</b>	<b>1007</b>	<b>1008</b>	<b>1010</b>	
12	$\frac{0}{-0.018}$	14	$\frac{+0.018}{0}$	12	14	$\frac{+0.060}{+0.030}$	1.0	$\frac{-0.030}{-0.075}$			<b>1206</b>		<b>1208</b>	<b>1210</b>	
13	$\frac{0}{-0.018}$	15	$\frac{+0.018}{0}$	13	15	$\frac{+0.060}{+0.030}$	1.0	$\frac{-0.030}{-0.075}$							
14	$\frac{0}{-0.018}$	16	$\frac{+0.018}{0}$	14	16	$\frac{+0.065}{+0.035}$	1.0	$\frac{-0.030}{-0.075}$						<b>1410</b>	
15	$\frac{0}{-0.018}$	17	$\frac{+0.018}{0}$	15	17	$\frac{+0.065}{+0.035}$	1.0	$\frac{-0.035}{-0.085}$						<b>1510</b>	
16	$\frac{0}{-0.018}$	18	$\frac{+0.018}{0}$	16	18	$\frac{+0.070}{+0.035}$	1.0	$\frac{-0.035}{-0.085}$						<b>1610</b>	
17	$\frac{0}{-0.018}$	19	$\frac{+0.021}{0}$	17	19	$\frac{+0.070}{+0.035}$	1.0	$\frac{-0.035}{-0.085}$							
18	$\frac{0}{-0.018}$	20	$\frac{+0.021}{0}$	18	20	$\frac{+0.075}{+0.040}$	1.0	$\frac{-0.035}{-0.085}$						<b>1810</b>	
19	$\frac{0}{-0.021}$	22	$\frac{+0.021}{0}$	19	22	$\frac{+0.075}{+0.040}$	1.5	$\frac{-0.035}{-0.085}$							
20	$\frac{0}{-0.021}$	23	$\frac{+0.021}{0}$	20	23	$\frac{+0.080}{+0.045}$	1.5	$\frac{-0.035}{-0.085}$						<b>2010</b>	
22	$\frac{0}{-0.021}$	25	$\frac{+0.021}{0}$	22	25	$\frac{+0.080}{+0.045}$	1.5	$\frac{-0.035}{-0.085}$						<b>2210</b>	
24	$\frac{0}{-0.021}$	27	$\frac{+0.021}{0}$	24	27	$\frac{+0.080}{+0.045}$	1.5	$\frac{-0.035}{-0.085}$							
25	$\frac{0}{-0.021}$	28	$\frac{+0.021}{0}$	25	28	$\frac{+0.085}{+0.050}$	1.5	$\frac{-0.035}{-0.085}$						<b>2510</b>	
26	$\frac{0}{-0.021}$	30	$\frac{+0.021}{0}$	26	30	$\frac{+0.080}{+0.050}$	2.0	$\frac{-0.035}{-0.090}$							
28	$\frac{0}{-0.021}$	32	$\frac{+0.025}{0}$	28	32	$\frac{+0.090}{+0.050}$	2.0	$\frac{-0.035}{-0.090}$							
30	$\frac{0}{-0.021}$	34	$\frac{+0.025}{0}$	30	34	$\frac{+0.090}{+0.050}$	2.0	$\frac{-0.035}{-0.090}$							

※Outer diameter is measured by exclusive gauge.  
 ※The I.D. tolerance after press fitting is for reference only.  
 ※I.D.  $\phi 31 \sim \phi 160$  are shown on pages 143 to 144.



a: O.D. chamfering for the bushing I.D. of  $\phi 10$  or more

T	1.0	1.5	2.0
a	0.5	0.8	1.0

(mm)

b: I.D. chamfering for the bushing I.D. of  $\phi 10$  or more

T	1.0	1.5	2.0
b	C0.3	C0.5	C0.5

(mm)

※Chamfering of inner or outer diameters less than  $\phi 10$  mm is done only to remove burrs.

Length L Tolerance $-\frac{0}{0.3}$							I.D. tolerance after press fitting (reference)	I.D. $\phi d$
12	15	20	25	30	35	40		
							+0.165 +0.060	5
							+0.165 +0.060	6
<b>0712</b>							+0.165 +0.060	7
<b>0812</b>							+0.165 +0.060	8
							+0.168 +0.060	9
<b>1012</b>	<b>1015</b>	<b>1020</b>					+0.168 +0.060	10
<b>1212</b>	<b>1215</b>	<b>1220</b>					+0.168 +0.060	12
	<b>1315</b>						+0.168 +0.060	13
<b>1412</b>	<b>1415</b>	<b>1420</b>					+0.168 +0.060	14
<b>1512</b>	<b>1515</b>	<b>1520</b>	<b>1525</b>				+0.188 +0.070	15
<b>1612</b>	<b>1615</b>	<b>1620</b>	<b>1625</b>				+0.188 +0.070	16
	<b>1715</b>	<b>1720</b>					+0.191 +0.070	17
<b>1812</b>	<b>1815</b>	<b>1820</b>	<b>1825</b>				+0.191 +0.070	18
	<b>1915</b>						+0.191 +0.070	19
<b>2012</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>			+0.191 +0.070	20
<b>2212</b>	<b>2215</b>	<b>2220</b>	<b>2225</b>	<b>2230</b>			+0.191 +0.070	22
	<b>2415</b>	<b>2420</b>	<b>2425</b>	<b>2430</b>			+0.191 +0.070	24
<b>2512</b>	<b>2515</b>	<b>2520</b>	<b>2525</b>	<b>2530</b>	<b>2535</b>		+0.191 +0.070	25
	<b>2615</b>	<b>2620</b>		<b>2630</b>			+0.201 +0.070	26
<b>2812</b>	<b>2815</b>	<b>2820</b>	<b>2825</b>	<b>2830</b>		<b>2840</b>	+0.205 +0.070	28
<b>3012</b>	<b>3015</b>	<b>3020</b>	<b>3025</b>	<b>3030</b>		<b>3040</b>	+0.205 +0.070	30